

ABSTRACT OF THE DISCLOSURE

Leakage of a magnetic flux from inside diameter face of claw magnetic poles is reduced to improve output, and deformation and vibration of the claw magnetic poles are reduced.

5 A rotor includes: a rotor coil for generating magnetic flux; a pole core comprised of a first pole core body and a second pole core body that are arranged so as to cover the rotor coil, each being provided with protruding claw magnetic poles 21, 22 engaging with each other; a magnet 31 for reducing leakage of magnetic flux leaking from inside 10 diameter side of the claw magnetic poles 21, 22; and a magnet-holding member 32 for supporting the magnet 31 on the claw magnetic poles 21, 22.